ABSTRACT

Aspects for efficient order processing in a manufacturing environment are described. The aspects include utilizing a hierarchical definition language with run-time control capability to represent and control a box line manufacturing process of computer systems in a unified manner. Further provided is a state file, the state file including blocks, sub-blocks, tasks, and containers for run-time information of the box line manufacturing process of computer systems. A sequencer tool interacts with the state file to direct tasks of the state file, monitor task completion, and update the state file with real-time control information. A listener tool interacts with the sequencer tool to start tasks, monitor tasks, and send task results to the sequencer tool.